TELEPHONY'S INDEX TO VOLUME 185

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ADVERTISING:
Long Lines offers Independents promotional materials (See INDEPENDENTS), Dec. 24.
TELEPHONY presents ad award to Utility Products (See TELEPHONY), Nov. 12.
TELEPHONY presents ad award to GTE Lenkurt (See TELEPHONY), Nov. 19.

ASSOCIATIONS—STATE:
Alabama-Mississippi:
Alabama-Mississippi convention looks at telephone economics, by Leo Anderson (See ECONOMICS), Dec. 3.
Florida:
Competition, financing, regulation stressed at Florida convention, by Leo Anderson, Dec. 10.

Illinois:
ITA examines equal employment, by Lois Stolzman, July 2.
INDIANA:
Indiana convention zeroes in on business image, social issues, by Diana Johns, July 2.

Iowa:
Opposites meet in Iowa (ITA, Rural Ind. Tel Assn.), by Lynne Carlton, Nov. 5.

Mid-America (Iowa, Nebraska, Missouri, Kansas):
How to beat problems of the future? Stay ahead of them, Mid-Americans told, by Joseph J. Aiken, July 9.

Missouri:
Founders' view sparks action for the future at Missouri meeting, by Lynne Carlton, Oct. 8.

Nevada:
H. S. Smith elected president, Dec. 10.

New England:
TANE gets some practical tips on setting a new course, Oct. 1.

New York:
Consumer reigns at New York convention, by Jan Drummond, July 16.
Association: Independent phones top million, Oct. 22.

North Carolina:
Interconnection rule amounts to the tail wagging the dog: Mott (See INTERCONNECTION, USITA), Oct. 29.

Pennsylvania:
Face the competition and 'slug it out, telcos', by Lynne Carlton, July 2.

South Carolina-Georgia:
S.C./Ga. convention draws over 400, July 23.
Interconnection must be regulated or eliminated, Case tells SCITA (See INTERCONNECTION), Nov. 19.

Virginia:
New directors elected, Dec. 31.

Western (Washington, Oregon, Nevada, California):
Highlights of 4-state Western telephone conference, by Albin R. Meier, July 16.

ASSOCIATIONS—OTHER:
American Management Assn.:
Sets interconnect briefings (See INTERCONNECTION), Aug. 6.

Armed Forces Communications & Electronics Assn.: AFCEA:
Grants medal to Graham of North Electric, Sept. 10.

Assn. of College and University Telecommunications Administrators (ACUTA):
Elects officers at Rochester (pic), Nov. 5.

Building Industry Consulting Service Communications:
Sets January conference dates, Aug. 6.
Chicago Industrial Communications Assn.:
Reuss urges caution in repricing services, Oct. 22.

Communications Systems Management Association (CSMA):
Talks stress interconnection (See **INTERCONNECTION**), July 30.
Schedules '74 Communications Week, Aug. 13.
Creates committees to gather info, Aug. 27.
'Alternatives' theme for 1974 convention, Dec. 10.

Digitronics Users Assn. (DUA):
Glenn Lutat exec secy., Aug. 6.

International Communications Association (ICA):
ICA revises charter fostering big-business communications, Albin R. Meier, July 9.

International Communications Conference (ICC):
ICC '73—most rewarding technical conference yet for telephone professionals, by Albin R. Meier, (See **PLANT**), July 9.

Midwest Independent Telephone Exposition:
Special phone number of Jan.-Feb. meeting, Sept. 10.

National Assn. of Mfrs. (NAM):
FCC's strassburg hits back at deButts in speech at business users' conference (See FCC), Nov. 12.

National Cable Television Assn.: (NCTA):
NCTA panel meets with telcos on pole attachment issue, Sept. 10.

National Electrical Conference (NEC):
Communications/73 slated by NEC, July 9.

National Electronics Conference:
Plans 12 seminars for '74, Dec. 24.

North American Tel Assn. (NATA):
Sets fall confab, Sept. 24.
Case: Public will resolve interconnect hassle (See INTERCONNECTION), Oct. 29.
NATA collects war chest, braces for fight for survival (See INTERCONNECTION), Nov. 26.

Organization for the Protection and Advancement of Small Telephone Companies (OPASTCO).
OPASTO's role as David facing industry's giant problems shows clear in lively meeting, by Joseph J. Aiken, Aug. 13.

Occupational Safety & Health Act (OSHA):
OSHA meeting slated (See SAFETY), Dec. 24.

Tele-Communications Assn.:
Von Braun to keynote conference, July 2.
Stoddard of AT&T says company is moving into all-out competition, Oct. 8.
Communications users groups growing in strength. know-how, by Albin R. Meier, Oct. 22.

BELL SYSTEM:
AT&T earnings $1.28 a share, July 2.
Deskmen test lines in Penn. Bell console (pic), July 2.
AT&T selling Comsat stock (See SPACE), July 2.
J.J. Scanlon is exec. VP, July 2.
Pacific Tel to save with combined connection box (pic), July 2.
NW Bell: P.H. McHale asst. v.p.-marketing, Omaha; D.H. Wiedemeier gen. comm. & market. mgr., Neb.; R.L. Kepp gen. traffic mgr.-Neb.; G.A. Peter asst. v.p. PR & Personnel-Neb., July 16.
Bell labs: W. A. Depp exec. dir. Crossbar Div.; S. H. Washburn exec. dir. salary & tech., July 16.
Labs: R. W. Ketchledge exec. dir. electr. switching; J. S. Mayo exec. dir. toll electr. switching, July 23.
Dunn gets WE director job in California, Aug. 13.
J. H. Butta becomes v.p.-staff C & P Telcos, Aug. 20.
AT&T exec urges expansion of data (See DATA), Aug. 27.
Climan joins Northern Electric, Aug. 27.
Western Electric plans W.Va. facility, Sept. 10.
AT&T sets annual meetings, Sept. 10.
AT&T reports record gain in households (See MARKETING), Sept. 17.
AT&T execs scout Europe for investors (See FOREIGN), Oct. 1.
AT&T profit surge continues in 6th quarter, Oct. 1.
AT&T sets new marketing section, Oct. 8.
B. A. Plank dir. of PR planning, AT&T, Oct. 8.
Southern Bell to build $12.5 million center, Oct. 15.
A. S. Alston chairman SW Bell; Z. E. Barnes, president SW Bell, dir. SW Bell; W. R. Bunn, president PNW Bell; C. W. Williamson, op. v.p. South Central Bell, Oct. 15.
F. A. McDermott Jr. AT&T sales devel. dir., Oct. 22.
Product/service mgrs. Pacific Tel's new warriors in war with competition (See MARKETING), Nov. 26.
Bell shifts to computerized white pages directories (See DIRECTORY, DATA), Nov. 26.
P. B. Lusk succeeds retired Maurice Akin news service mgr. of IB; F. O. French news service super., Nov. 26.
H. I. Romnes, former AT&T chairman, dies, Dec. 3.
AT&T raises quarterly dividend 7¢ share, Dec. 10.
Mgt. center offers analysis of AT&T Hi-Lo rates (See RATES), Dec. 10.
SW Bell names N. K. Hoverstock v.p. revenues-public affairs, Tex.; R. H. Spicer v.p.-gen. mgr.-Houston; R. D. Barron, v.p.-staff, St. Louis, Dec. 10.
End of flat rate is Bell goal: deButts, Dec. 17.
Labs names Robert A. Laudise asst. dir. Materials Research Lab, Dec. 17.
J. L. Flanagan of Labs named to Watergate panel, Dec. 24.
Illinois Bell: J. H. Johnson, v.p.-marketing; W. C. Kotteman, v.p.-operations, Chicago; S. N. Holditch, v.p., operations-staff; C. W. Ebersold, v.p., Corporate staff and corp. treasurer, Dec. 31.

CANADA:
Data:
Bell Canada sets $2.5 million shift to digital signals (See **Bell**), Nov. 5.

Legislation:
Commons outlaws wiretapping devices, Dec. 24.

Management:
Management center takes over Canadian network (See CANADA, TELEPHONY COVERS), Dec. 17.
Microwave:
Firms form microwave consortium (See **MICROWAVE**), July 30.
Telephone Industry:
Revenues climb 14% in nine months, Dec. 24.
Television:
Bell Canada adds city to conference TV net (See **CANADA-Bell**), Sept. 3.
Launches R & D project to set up low-cost TV, Sept. 10.
Official (Roy Farran) criticizes cable TV policy, Oct. 8.
CATV companies ask Bell pole access, Dec. 24.
Bell Canada:
Consumer group fighting raise, July 2.
CTC reviews, suspends raise, July 16.
Favors relaxing interconnect policy (See **INTERCONNECTION**), July 23.
Directories mark Bell's invention (pic), July 30.
Sees IDDD in '76-'77, Aug. 6.
Signs carrier pact with Anaconda, Aug. 13.
BICS isn't just a big city job (See **PLANT**), Aug. 27.
A training course for BICS (See **EDUCATION & TRAINING**), by Ross G. H. Cotton, Aug. 27.

Adds city to conference TV net (See **CANADA-Television**), Sept. 3.
Slices $33 million off request, Sept. 10.
How Bell Canada devised a way to restore plane crash damage (See **TELEPHONY COVERS**), Oct. 15.
Computer-phone link used by Sears catalog customers, Oct. 22.
Northern Telecom names R. A. Drake installation v.p., Oct. 29.
Northern reveals plans for third U.S. plant, Nov. 5.
Sets $2.5 million shift to digital signals (See **DATA**), Nov. 5.
Northern: C. G. Millar, exec. v.p.-operations; W. R. Johnston, exec. v.p.-station, bus. comm.; K. H. Woodley, exec. v.p.-cable, outside plant; E.O. Bridges, exec. v.p.-switching, transmission, Nov. 19.
British Columbia:
British Columbia Tel Co.:
Government buys shares for 1.1% interest, Dec. 24.
Canadian Telecommunications Carriers Assn. (CTCA):
Harold J. Clarke elected president, Aug. 6.
CTCA gets the message: communicate! by Helen Hardin, Sept. 3.
CN-CP Telecommunications:
Microwave rates turned down by CTC, July 23.
New Brunswick:
New Brunswick Tel Co.:
N. A. Patterson becomes v.p.-finance, Sept. 10.
Certain LD rates changed, Dec. 3.
Nova Scotia:
North Electric to build plant, Aug. 13.
Ontario: Sale:
Taylor Tel Co.:
Sold to Central Communications (Cencom-Wis.), Nov. 26.
Cencom assumes ownership, Dec. 17.
Trans-Canada Tel System (TCTS):
Budget $90 million in 3 years, July 9.
Selects Graphic Sciences gear, Aug. 6.
Soft yellow telephone with smile used in LD TV commercial (pic), Oct. 22.
Dataroute grows. Oct. 22.
Network management center takes over Canadian portion of N.A. switched network, Dec. 17.
Quebec:
Quebec Telephone:
Stock issue authorized, July 2.

COMMISSION CASES, RULINGS—STATE: (See FCC, COURTS, LEGISLATION):
Alabama:
Commission:
If Bell refunds, so do other telcos, Nov. 12.
General Tel Co. of the Southeast:
Raise suspended Nov. 19.
South Central Bell Tel Co.:
Sells $200 million debentures, Sept. 10.
Alaska:
Commission:
Gordon J. Zerbetz named head, Dec. 17.
Comsat:
To offer intrastate service (See **SPACE**), Aug. 27.
Glacier State Tel Co.:
Granted rate raise, July 9.
Juneau & Douglas Tel Co.:
Rate decision delayed, Sept. 10.
Emergency funds denied, Oct. 15.
Nushagak Tel Cooperative, Inc.:
Applies for former North State Tel area, Dec. 3.
RCA Corp.:
Sets budget at $110 million, Sept. 24.
RCA Alascom:
To get Mailgram service (See **TELEPHONE SERVICE**), Nov. 26.
Arkansas:
Four States Tel Co.:
Asks to merge with Gen Tel of Southwest, Dec. 3.
Liberty Tel Co.:
Asks rate raise, July 16.
Liberty Tel & Communications, Inc.:
Files raise, July 16.
Rice Belt Tel Co.:
Raise cut to $4,654, July 16.
Ritter Tel Co.:
Proposes increases, July 16.
Southwestern Bell Tel Co.:
To inform customers of options, July 2.
Goes for service charge boost, Nov. 26.
Walnut Hill Tel Co.:
Granted $300,000 loan, Sept. 24.
California:
Commission:
V. L. Sturgeon reelected president, July 9.
Survey ranks Boston high, Frisco low on combined utility bills, Sept. 10.
Charged with outdated policies, Oct. 22.
Investigating to set policy on interconnection (See **INTECONNECTION**), Nov. 12.
Continental Tel Corp.:
Arranges new line of credit, July 9.
General Tel Co. of California:
Hearings on $59 million request, Aug. 27.
Interconnect firms asking hardwire connection, Sept. 17.
Granted $5.5 million to offset wages, Sept. 24.
Phonetele complains to PUC, Oct. 29.
Pacific Tel & Tel Co.:
Interconnect firms asking hardware connection, Sept. 17.
Phonetele complains to PUC, Oct. 29.
Hearings close on $290 million request, Nov. 26.
Phonetele, Inc.:
Charges PTT interconnect arrangements interfere with Phonemaster (See **INTERCONNECTION**), Nov. 26.
Colorado:
Commission:
Adopts rules for customer-utility dealings, Oct. 1.
Mountain Bell:
Completes refunds to customers, July 30.
Plans to end eight-party service, Dec. 31.
Delaware:
Diamond State Tel Co.:
Accepts bid for $15 million debenture, Dec. 17.
Florida:
General Tel Co. of Florida:
Registers auction of $50 million bonds, Dec. 31.
Winter Park Tel Co.:
Registers stock for sale, July 9.
Sells 100,000 shares, Sept. 17.
Southern Bell Tel & Tel Co.:
Interim raise of $32.8 million OK'd, Aug. 20.
Georgia:
Commission:
Calls for labeling of bugged phones, Sept. 17.
Alma Tel Co.:
Rate request turned down, July 30.
Pembroke Tel Co.:
Loan authorized, Nov. 5.
Raises rates, Nov. 26.
Planters Rural Tel Coop. Inc.:
$2.6 million loan authorized, Nov. 5.
Southern Bell Tel & Tel Co.:
To sell $350 million debentures, Dec. 17.
Hawaii:
Hawaiian Tel Co.:
Raise under fire; refunds an issue, July 16.
competition opens with Western Union, Aug. 13.
New rate hearings ordered, Oct. 15.
Chooses escrow, pending hearings, Nov. 26.
Calls off DA survey, Dec. 24.
Illinois:
Cass County Tel Co.:
Rate increase approved, Oct. 15.
General Tel Co. of Illinois:
Petitions for $10.2 million, Sept. 3.
Illinois Bell Tel Co.:
Agreement with MCI approved (See **MICROWAVE**), Oct. 15.
Disputed tariffs canceled, Nov. 19.
Debt offer goes in quick-sell-out, Dec. 31.
Indiana:
General Tel Co. of Indiana:
Submits DA proposal, Oct. 8.
Illinois Bell Tel Co.:
Submits DA proposal, Oct. 8.
Indiana Bell Tel Co.:
Submits DA proposal, Oct. 8.
Gets $23.4 million decision, Oct. 22.
United Tel Co. of Indiana:
Submits DA proposal, Oct. 8.
Iowa:
Commission:
Hears telcos oppose advertising ban, Dec. 24.
Central Tel Co. (Fort Dodge):
Audit ordered by ICC, Oct. 22.
Clear Lake Independent Tel Co.:
Audit ordered by ICC, Oct. 22.
Jefferson Tel Co.:
Audit ordered by ICC, Oct. 22.
Northwestern Bell Tel Co.:
Contemplates raise, Oct. 8.
West Iowa Tel Co.:
Audit ordered by ICC, Oct. 22.
Kansas:
United Tel Co. of Kansas:
Applies for $1.76 million, Oct. 1.
Louisiana:
Century Tel Enterprises, Inc.:
Registers stock, July 23.
Sells $7.5 million LaCrosse (Wis.) securities, Dec. 17.
Maryland:
Chesapeake Potomac Tel Co.:
Portion of request approved, Nov. 5.
Massachusetts:
New England Tel & Tel Co.:
Told to submit service reports, July 9.
$66.6 million authorized, July 16.
Sells $170 million debenture, Nov. 26.
Minnesota:
East Otter Tail Tel Co.:
To get raise with upgrades, Aug. 13.
Lismore Cooperative Tel Co.:
Gets okay to change rates, Aug. 6.
Northwestern Bell Tel Co.:
Pondering raise, July 16.
Mississippi:
South Central Bell Tel Co.:
Gets 24-hr. repair service order, Sept. 10.
Asks higher rates, Nov. 5.
Rates could take effect under bond, Nov. 19.
Missouri:
Commission:
Utilities reject contract approval, Aug. 13.
General Tel Co. of the Midwest:
Gets $846,722 raise, Sept. 10.
Southwestern Bell Tel Co.:
Plans financing to obtain $300 million, Aug. 27.
Cuts business rates, Sept. 3.
Sells $300 million debenture, Oct. 22.
To answer school rate complaint, Nov. 5.
United Tel Co. of Missouri:
Service improvement complaint dropped, Oct. 29.
Western Tel Co. (CTU):
$545,222 raise approved, July 2.
Nebraska:
Commission:
Sets statewide tel standards, Sept. 10.
Northwestern Bell Tel Co.:
Asks raise, Oct. 8.
New Hampshire:
New England Tel & Tel Co.:
Refused raise, Aug. 6.
New Jersey:
New Jersey Bell Tel Co.:
PUC changes dividend notice, Sept. 10.
Accepts bid for $150 million debenture, Oct. 22.
Gets $17.5 million raise in landmark ruling, Dec. 24.
New Mexico:
General Tel Co. of the Southwest:
Ordered to slash rates 11%, July 9.
Rate of return adjusted, July 30.
Penney's, Sears haggle over rates, Aug. 13.
Rates take effect, Aug. 27.
Mountain States Tel & Tel Co.:
Ups request, Aug. 27.
Granted half of request, Dec. 10.
Western Union Telegraph Co.:
Proposes tariff changes, Oct. 15.
New York:
Commission:
Adopts EAS guidelines, July 23.
Extends jurisdiction to mobile phones, Sept. 17.
Orders intrastate toll pool, Dec. 17.
Telcos: to get ready for '911' by '78, Dec. 24.
American Tel & Tel Co.:
Directs cos. to offer LD rate guide, Oct. 29.
Slates second preferred offering this year, Nov. 5.
Registers $500 million securities, Nov. 26.
Continental Tel Corp.:
Service evaluated, July 30.
General Telephone & Electronics Corp.:
To sell $75 million stock, July 2.
General Tel Co. of Upstate:
Service evaluated by PSC, July 30.
Highland Tel Co.:
Service evaluated, July 30.
Jamestown Tel Corp.:
Sells $2 million bonds, Sept. 10.
Mid-Continent Tel Corp.:
Service evaluated, July 30.
New York Tel Co.:
Cutback on raise urged, July 23.
Told WATS service should be tapered, Aug. 6.
Liberalizes complaint policy, Aug. 20.
PSC: $215 million recommended, Sept. 10.
Interim raise denied second time, Sept. 17.
Granted $304 million raise, Dec. 3.
Offers bonds for sale, Sept. 17.
PSC considers DA charge plan, Sept. 24.
Rochester Tel Corp.:
Merger with Sylvan Lake rejected, Oct. 15.
Sylvan Lake Tel Co.:
Sale to Rochester Tel OK'd, Dec. 31.
Western Electric Co.:
Selling $125 million notes, July 23.
Western Union International:
$34 million loaned by Prudential, Sept. 10.
North Carolina:
Commission:
Advocates end to interconnection See **INTERCONNECTION**), July 23.
Intervenors challenge on interconnection, Sept. 3.
Carolina Tel & Tel Co.:
Registers $30 million securities, Oct. 22.
Subscribers vote against EAS, Dec. 17.
Central Tel Co.:
Hearings on $5.9 million request, Aug. 13.
Ordered to determine EAS cost, Oct. 29.
Chapel Hill Tel Co.:
Permission to sell granted, Oct. 15.
Ordered to determine EAS cost, Oct. 29.
Concord Tel Co.:
Authorized to sell $1,750,000 bonds, Nov. 26.
Duke University:
General of SE seeks to halt franchise, Aug. 27.

Telcos fighting franchise, Sept. 3.
Duke, GTE of SE negotiate settlement, Sept. 24.
General Tel Co. of Southeast:
Ordered to determine EAS cost, Oct. 29.
PSC turns down rate petition, Nov. 5.
Refund delay refused, Nov. 26.
Lexington Tel Co.:
To sell 14,000 common shares, Sept. 24.
Old Town Tel Co.:
Merger with Mid-Continent (O T Tel), OK'd, Dec. 31.
Southern Bell Tel & Tel Co.:
Ups detection of unauthorized equipment, July 9.
Proposes 'most unusual' request, July 9.
Gets okay on EAS, Aug. 6.
Immediate relief rejected, Sept. 10.
Western Union Telegraph Co.:
Files for higher rates, Sept. 24.
Ohio:
Commission:
To inspect rate change notification, Oct. 22.
R. E. Nuskin quits; B. B. Ferris secy., Oct. 22.
Cincinnati Bell:
To negotiate in Cincinnati, July 16.
Raise carries first DA charge, Sept. 17.
Northern Ohio Tel Co.:
Asks $8.8 million raise, July 9.
Gets rate raise, Aug. 27.
Ohio Bell Tel Co.:
Gets $98 million in compromise, July 30.
Correction: adjusted rates OK'd, Aug. 13.
Gets $98 million after 2 yrs., Aug. 20.
Raise foe denied hearing, Oct. 8.
Directors okay securities sale, Oct. 15.
United Tel Co. of Ohio:
Files for EAS with Cincinnati, Aug. 6.
Gets rate raise, Aug. 27.
Oklahoma:
Datran asks intrastate certificate (See **DATA**), July 2.
General Tel Co. of the Southwest:
Seeks $1.4 million raise, Dec. 24.
United Video:
Asks intrastate certificate, July 2.
Initiates action for intrastate transmission, Nov. 12.
Hearings on service request continue, Dec. 17.
Oregon:
Commission:
Governor retains one-man body, Aug. 13.
Pacific Northwest Bell Tel Co.:
Rate ruling handed down, Aug. 6.
Pennsylvania:
Bell Tel Co. of Pennsylvania:
PUC doubts necessity of raise, Oct. 29.
PUC scales down request one-third, Dec. 31.
Bethel & Mt. Aetna Tel & Tel Co.:
Seeks $364,000 raise, Oct. 29.
Denver & Ephrata Tel & Tel Co.:
Asks $153,000, July 30.
General Tel Co. of Pennsylvania:
To raise rates by $1.3 million, Sept. 24.
Sets new rates, Oct. 22.
United Tel Co. of Pennsylvania:
Gets nod for $2.9 million, Nov. 5.
Rhode Island:
New England Tel & Tel Co.:
Gets $6.8 million more, Aug. 13.
PUC plans rate study, Oct. 1.
South Carolina:
Gen Tel Co. of the Southeast:
Raise approved; also refund, Oct. 8.
Southern Bell Tel & Tel Co.:
Petitions for $11.1 million raise, Oct. 15.
Tennessee:
Gen Tel Co. of the Southeast:
New law will not activate raise, Aug. 13.
Raise denied, must reevaluate, Aug. 20.
South Central Bell Tel Co.:
Asks raise to save quality of service, July 23.
Texas:
General Tel Co. of the Southwest:
Proposes raises in 3 towns, July 23.
Garland demands raise figures, Aug. 6.
Sets 25¢ pay phone charge at Dallas airport, Sept. 17.
Rate-setting rights reaffirmed for Garland, Oct. 15.
Gets compromise with 9 Dallas-area cities, Oct. 22.
Begins converting to 25-cent phones at Irving, Dec. 10.
Mountain States Tel & Tel:
El Paso council okays new rates, Sept. 3.
Southwestern Bell Tel Co.:
Plan for state govt. service backed, Oct. 15.
Garland last hold-out in metro struggle, Nov. 5.
Utah:
Utah Tel Co.:
Customer charges interconnection contract unreasonable, Aug. 20.
Vermont:
Public Service Board:
Revision study undertaken, Sept. 10.
Virginia:
Chesapeake & Potomac Tel Co.:
To auction $60 million debentures, Oct. 29.
Virginia Tel & Tel Co. (CTU):
Asks raise to meet labor, equipment costs, Sept. 10.
Washington:
Peninsula Tel & Tel Co.:
Ordered to "pay up" on tolls, July 16.
Pacific Northwest Bell Tel Co.:
Considers $94.5 million offering, July 23.
Ft. Lewis switches to Bell, Aug. 20.
Wisconsin:
General Tel Co. of Wisconsin:
Offers $25 million bonds, July 23.
Wisconsin Tel Co.:
Purchasing contract probed, July 2.
Legislator denied access to PSC files, Oct. 22.
PSC backs refusal to give out addresses, Nov. 5.
Wyoming:
United Tel Co. of the West:
Customers choose party lines over raise, Nov. 26.

COURTS:
Federal:
New Jersey Bell Tel Co.:
Antitrust suit filed, July 2.
Southwestern Bell Tel Co.:
Bell's YP refusal upheld, July 23.
Wisconsin Tel Co.:
Two indicted in LD fraud, Sept. 10.
Whidbey, Hat Island (Wash.) Tel head indicted for fraud, Oct. 8.
Former Eastern Tel head (Bell) gets year for theft, Oct. 8.
Alabama:
South Central Bell Tel Co.:
Sued for $500,000 by interconnect firm, July 9.
Raise is ordered by the court, Oct. 1.
Arizona:
Mountain Bell:
Construction firms sues on road job loss, July 23.
California:
American Tel & Tel Co.:
Companies charging violation of antitrust, July 9.
General Tel & Electronics:
Suit charges antitrust, July 9.
Pacific Tel & Tel Co.:
Voice print challenged in bomb threat trial, Sept. 10.
Litton Industries (Bus. Tel Systems Div.):
Ex-ecees indicted for bribery, Dec. 17.
Colorado:
Mountain States Tel & Tel Co.:
Judge: contract begins with installation agreement, July 2.
Denied rate appeal second time, Sept. 3.
Clashes with PUC on upgrade, Sept. 10.
Coloradan arrested for selling confidential info, Sept. 17.
Denver protests nonresidential installation charges, Nov. 19.
United Telecom:
Sues American TV and Comm. for breach of agreement, Dec. 17.
Florida:
Southern Bell Tel & Tel Co.:
Rate case remanded to PSC, July 2.
Atty Gen. pleads with court to reconsider, July 23.
Florida Tel Co.:
Court upholds raise; governor complains, Oct. 29.
Hawaii:
Hawaiian Tel Co.:
$300 million suit charges discrimination, Sept. 10.
Illinois:
Girls sentenced on fraudulent calls, July 30.
Illinois Bell Tel Co.:
To appeal order to rehear '72 rate case, Oct. 15.
Gen Tel Co. of Illinois:
Booth thief sentenced, must pay damages, Dec. 3.
Indiana:
General Tel Co. of Indiana:
Drops restraint order against IBEW, (See **LABOR**), July 23.
Missouri:
High court: PSC authority on line burials, Oct. 15.
Southwestern Bell Tel Co.:
Accused of changing customer's position in Yellow Pages, Dec. 31.
Nebraska:
Nebraska Consol. Communications:
Loses battle to retain state service; Lincoln Tel & Tel to serve, July 23.
New Mexico:
Mountain Bell:
Line relocation arguments heard Aug. 6.
Couple charges trespass for UG cable, Nov. 26.
New York:
Rochester Tel Corp.:
Coeds must repay $2,313, July 2.
New York Tel Co.:
Youths caught in call caper, Nov. 5.
Atty. Gen. investigates illegal hospital phone charges, Nov. 26.
North Carolina:
Commission:
Late billing rules upheld, Aug. 13.
General Tel Co. of the Southeast:
Rate appeal rejected, Dec. 3.
Ohio:
Ohio Bell Tel Co.:
Plea for rate action rejected, July 2.
Pennsylvania:
American Tel & Tel Co.:
Interconnection policy challenged by MCI (See **INTERCONNECTION**), Nov. 12.
Texas:
General Tel Co. of the Southwest:
Goes to court after Garland rejects rates, Aug. 27.
Takes Dallas metro case to court, Sept. 24.
Mid-Texas Communications Systems:
Answers Mitchell Energy charges of breach of contract, Nov. 12.
Southwestern Bell Tel Co.:
Charged (by Mid-Texas) with anti-trust, Dec. 10.
Vermont:
New England Tel & Tel Co.:
Court refuses hearing on rates, July 30.
Wisconsin:
Wisconsin Tel Co.:
Does not have to pay in pregnancy case, Dec. 31.

DATA:
AT&T exec urges data expansion (See **BELL SYSTEM**), Aug. 27.
Bell shifts to computerized white pages directories (See **BELL SYSTEM, DIRECTORY**), Nov. 26.
Computer conference for Chicago in '74, July 23.
Computerized TDCS links the old with the new, by L. Craig Schaeffer, Sept. 10.
Computer pinpoints switch to carrier systems, by G. B. Killinger and R. L. Marshall, July 2.
Computers take on CO functions, by Willard B. Groth, Sept. 10.
COM system serves up instant answers to customer requests, by John J. Aiello (See **TELEPHONE SERVICE, MICROWAVE**, Dec. 10.
Data center plans set by South Central Bell, Oct. 8.
Datran asks Okla. intrastate certificate (See **C-C, Okla.**), July 2.
Electronic Switching (Series) (See **PLANT**), by J. Gordon Pearce:
Part six, Design considerations in telephone switching processors, July 16; Part 7, A look at software needs for controlling telephone switching; Part 8, Variations on stored-program control, Sept. 24.
Giant American Express voice and data network uses telephone lines (See **TELEPHONE SERVICE**), Oct. 22.
GTE's time-share program: a postscript, by James P. De la Roche, G. B. Killinger and R. L. Marshall, Oct. 15.
International Data Processing Conference & Business Exposition:
Shown inspecting equipment (pic), Aug. 13.
MCI picks eastern office managers, July 2.
Mini-computers can juggle jobs with Bell Labs program system, Sept. 17.
Operating to schedule operators, by Phillip M. Klasskin (See **TRAFFIC**), July 30.
Summary of Senate proceedings distributed by Western Union Data Services (pic), July 9.
Visual display systems electrify directory assistance operators (Gen Tel of Cal.), July 23.
Western Union proposes international digital data net, Dec. 31.

DIRECTORY:
Bell shifts to computerized white pages directories (See **DATA, BELL SYSTEM**), Nov. 26.

ECONOMICS:
Alabama-Mississippi convention looks at telephone economics, by Leo Anderson (See **ASSOCIATIONS-STATE**), Dec. 3.
Economics and design of fine gauge plant for facility planning, by Thomas J. McDonough (See **PLANT**), Nov. 5.
Fine gauge subscriber loop design: an economic appraisal, by Donald C. Smathers (See **PLANT**), Nov. 5.

EDITORIALS:
A time to rally 'round the flag, by Bruce B. Newhall, July 2.
About 'free' telephone service, Sept. 10.
Which way for USITA? (See **USITA**), Sept. 17.
The public will be served, Oct. 22.
The importance of aerial plant, Dec. 31.

EDUCATION AND TRAINING:
Associated Research offers course on cable testing, Nov. 26.
Buckeye Institute sets courses for '74, Dec 24.
Bldg. Ind. Center plans 'value construction' conferences, July 9.
BICS' toughtest task—building its own image, by Lois Stolzman, Aug. 27.
Southern Independent Tel Expo. (SITE):

Over 1,900 from 21 states come to see first SITE, by Leo Anderson, July 9.
Pinpointing local loop problems (See **PLANT**), July 9.
Independents, Bell men attend 3-day power seminar (AE) (pic), Aug. 27.
GE microwave equipment van offers tour and seminars (pic), Aug. 27.
National Electronics Conference slates seminar, Aug. 27.
D.A., LD operators trained at pushbutton switchboards (Fla.) (pic), Sept. 10.
Iowa State slates capital investments conference, Sept. 10.
It may be second nature to him, but it's Greek to me, by Mary C. Bromage, Sept. 17.
Wiggins to keynote Mo. PSC RISC conference (See **REGULATION**), Sept. 24.
Motorola unit slates seminars on bomb scares, Oct. 15.
National Telecomm. Conference slated for Atlanta, Oct. 8.
Seminars (Bell) teach customers to think 'telco' for all communications services, by Mac McDaniel, Oct. 29.
SITE (Southern Ind. Tel Expo) '74 dates confirmed, Oct. 15.
Seminars slated by Telcom Ed Services, Oct. 1.
Total training is goal of Buckeye (Tel & Supply) Institute (See **EMPLOYE TRAINING**), Oct. 15.
Training course for BICS A. by Ross G. H. Cotton (See **CANADA-Bell**), Aug. 27.

EMPLOYE RELATIONS:
Don't call me 'Sweetie', by Kim Armstrong (Bell), Sept. 17.
Employe gripes—the seeds of discontent, by Ted Pollock (See **MANAGEMENT**), Nov. 26.

EMPLOYE TRAINING:
Schools, telco find success in cooperative training program, by F. Lawrence Howe, Oct. 29.
Security force hiring to grow, July 16.
Total training is goal of Buckeye (Tel & Supply) Institute (See **EDUCATION AND TRAINING**), Oct. 15.

FEDERAL COMMUNICATIONS COMMISSION:
Okays part of Continental-Tel Util merger, July 30.
Defers ruling on AT&T WATS rates, Aug. 20.
AT&T asks train service extension, raise, Sept. 10.
Interconnection ban hearings open in N.C. (See **INTERCONNECTION**), Oct. 15.
AT&T, NARUC slam plan for federal regulation of mobile spectrum (See **OTP**), Nov. 5.
FCC's Strassburg hits back at deButts in speech at business users' conference (See **ASSOCIATIONS-OTHER**), Nov. 12.
Backs AT&T on no WATS for Arizona students, Nov. 12.
Strassburg to leave FCC by end of year, Nov. 26.
CC Bureau gives nod to United Video for Florida network (See **TELEVISION**), Nov. 26.

FOREIGN:
Algeria:
Algeria orders to ITT Spanish unit, July 9.
Australia:
Anaconda, Olympic Cable Pty. Ltd. license agreement, July 9.
Brazil:
GTE International to supply microwave system, Sept. 10.
Europe:
AT&T execs scout Europe for investors (See **BELL SYSTEM**), Oct. 1.
Europe commissions 3-yr. "Eurodata" study, Dec. 24.
France:
Largest European exchange built under Tuileries gardens, Sept. 10.
Germany:
No batteries required in West German phone (GTE Intl.) (pic), Aug. 20.
Great Britain:
Site of microwave meeting (See **MICROWAVE**), July 16.
Northern Electric signs pact with Plessey, July 23.
Scottish operators shape up in switchboard test, July 30.
Construction begins on 3rd Atlantic cable (See **PLANT**), July 30.
Datotek opens London branch, Aug. 6.
Directories switch to metric size, Aug. 13.
PO appoints Southerton sr. dir. personnel, Aug. 13.
Cable-burying sub rescued in close call, Sept. 10.
Guide to data services offered by N. J. communication center, Sept. 10.
ITT British unit gets $15.5 million order, Sept. 17.
P.O. reports $158.72 million loss, Sept. 17.
Coin box phones rented to pub (pic), Sept. 24.
PO International Tel Maintenance Control Centre gets NASA certificate (pic) (See **SPACE**), Oct. 8.
G.B. prosecutes 19 phone cheats, Nov. 5.
Maurice Bell heads PO training facility, Nov. 5.
Telecom managers to meet in England, Nov. 12.
PO expands radio link with North Sea oil platforms, Dec. 31.
India:
Min. Bahuguna calls Bombay minister via new phone link (pic), Aug. 13.
International:
GTE's new world headquarters dedicated at Stamford, Conn., Sept. 24.
Ireland:
Irish retirees of Gen P.O. Tel Co. visit test desk of Pennsylvania Bell (pic), Dec. 3.
Lord Killanin named chairman, Northern Electric, Dec. 31.
Japan:
Graphic Sciences gear to be used by Nippon Tel & Tel network, Sept. 10.
Oyama of Nippon Electric named chairman NEC America, Sept. 10.
Korea:
Korean firms cash in on decorator phones in U.S. market, Oct. 15.
Philippines:
Philippine Long Distance Tel Co.:
Granted provisional authority on subscriber investment program, Nov. 26.
Puerto Rico:
Carmen Cucurella named traffic head, Aug. 13.
ITT agrees to sell P.R. Tel to govt., Oct. 15.
Russia:
General Dynamics, USSR sign pact, Nov. 5.
Sweden:
Talk-back transmitter added to Ericall or Diricall paging receivers (pic), Sept. 3.
Taiwan:
Visitors, along with Chinese, at ITT Worldcom computer center (pic), Oct. 15.
GTE Intl. gets contract for expansion, Dec. 31.
Trinidad & Tobago:
Trinidad & Tobago Industrial Develop. Corp.:
Announces program to attract manufacturers, Sept. 10.
Venezuela:
ADC gets order from Venezuelan officials (pic) Sept. 17.

HALL OF FAME:
W. C. Henry, Carl A. Scupin added to Hall; roster includes 43, Nov. 19.

INDEPENDENTS:
Long Lines offers promotional materials (See **ADVERTISING**), Dec. 24.

INTERCONNECTION:
AMA sets interconnect briefings (See **ASSOCIATIONS-OTHER**), Aug. 6.
AT&T policy challenged by MCI Telecommunications, (See **COURTS-Pa.**), Nov. 12.
Bell Canada favors relaxing policy (See **CANADA**), July 23.
California PUC investigating to set standard on interconnection (See **CC-Cal.**), Nov. 12.
Case: Public will resolve interconnect hassles (See **ASSOCIATIONS-OTHER**), Oct. 29.
CSMA talks stress interconnection (See **ASSOCIATIONS-OTHER**), July 30.
Entrance of Interconnect, The, by W. F. Corman (See **TELEPHONE INDUSTRY**), Part 3 of series, Aug. 27.
General Dynamics forms units, July 9.
General Electric bows out of interconnect, Aug. 13.
Henson: Interconnection isn't greatest threat to telephone industry (See **USITA**), Oct. 29.
How a 2200-station company looks at interconnect, by Joseph M. Keating, Dec. 31.
How interconnection can work for telcos, by Frank B. Smith, July 16.
Hugh Wilbourn talks about interconnect (he's against it), by Hugh R. Wilbourn Jr., Oct. 22.
Interconnect battle, The: how it looks to the other side, by Victor Block, Oct. 22.
Interconnect companies and telcos *can* coexist, by Michael St. Angelo, Oct. 29.
Interconnect controversy—telephone user's dilemma, by Albin R. Meier, Nov. 26.
Interconnection ban hearings open in N.C. (See **FCC**), Oct. 15.
Interconnection must be regulated or eliminated, Case tells SCITA (See **ASSOCIATIONS-STATE**), Nov. 19.
Interconnection with Bell, by Laurence E. Harris, Oct. 22.
ITT exec blasts AT&T on interconnection, Nov. 12.
MCI:
Hits AT&T policies in letter to customers, Nov. 26.
Mott: Interconnection rule amounts to the tail wagging the dog (See **USITA, ASSOCIATIONS-STATE, N.C.**), Oct. 29.
NATA collects war chest, braces for right for survival (See **ASSOCIATIONS-OTHER**), Nov. 26.
N.C. commission advocates end to interconnection (See **C-C- N.C.**), July 23.
Other Tel Co.:
Forms Communications Labs (R & D), July 16.
PHONETELE complains PTT interconnect arrangements interfere with Phonemaster (See **C-C-Cal.**), Nov. 26.
Why interconnection is 'wicked', by Edward P. Larkin, Sept. 17.

INTERNATIONAL TELECOMMUNICATIONS UNION:
Switches to '75 exhibit date, July 2.

LABOR
Gen Tel of Indiana drops restraint on IBEW (See **COURTS-Ind.**), July 23.
ITT charges bias in licensing of electricians, Oct. 22.

LEGISLATION:
Federal:
USITA VP urges Communications Act revamp (See **USITA**), Sept. 24.
Illinois:
Anti-utility ad bill turned down, July 9.
Phone freak bill signed into law, Oct. 22.
House bills aimed at reduced rates for elderly, prohibiting DA charge, Dec. 3.
New Jersey:
Full-time PUC measure dies in Assembly, Dec. 10.
Tabled motion for full-time PUC passed, Dec. 24.

MANAGEMENT:
Bell System repeats call for moratorium on competition, by Fox F. Stoddard (See **MARKETING**), Oct. 22.
Economic Stabilization Program revises guidelines for dividends, July 9.
Gen Tel earnings 14% first half, Aug. 6.
How telcos are meeting the energy crisis, by Helen Hardin, Aug. 6.
How to carve a chunk out of engineering paperwork by W. H. McElroy (See **PLANT**), Sept. 17.
HUD approves funds for 'rural society' pilot project, Dec. 10.
Illinois Bell plotting conservation course, Oct. 22.
Industry's biggest to rack up 15th year of record spending by Dan S. Fargo (See **TELEPHONE INDUSTRY**), Aug. 13.
Other Tel Co.:
Expects triple sales, Aug. 13.
Over 30 yrs of United Tel of Pa. presidents gather at camp (pic), July 23.
Perspective on local call measurement: past and present, by Jack McDonald (See **PLANT**), Dec. 3.
Pros and cons of employe suggestion programs, by William H. Wilson Jr., Sept. 24.
Techniques of Effective Management, by Ted Pollock:
'But we've always done it this way,' July 23.
How to use your most potent tool, Aug. 20.
How do you rate as captain of your team? Oct. 8.
How to make success a habit, Oct. 15.
How to cash in on your spare time, Oct. 22.
Employe gripes—the seeds of discontent (See **EMPLOYE RELATIONS**), Nov. 26.
Don't just sit there—get mad! Dec. 17.
A guide to drawing your progress profile, Dec. 24.
Telcos (Continental, CTU, Winter Park, Bell Canada, Tel Util) report record earnings, Aug. 13.
Today's Independent telephony vignette (See **TELEPHONE INDUSTRY**), Aug. 6.
United '73 earnings 'on target,' Aug. 6

MARKETING:
Bell System repeats call for moratorium on competition, by Fox F. Stoddard (See **MANAGEMENT**), Oct. 22.
AT&T reports record gain in households (See **BELL SYSTEM**), Sept. 17.
Electrospace, Tele/Resource sign marketing pact, Sept. 17.
Estimate of Specialized Common Carrier market shrinks, Dec. 24.
New PBX Systems Guide ready (See **TRAFFIC**), July 9.
Product/Service mgrs. Pacific Tel's new warriors in war with competition (See **BELL SYSTEM**), Nov. 26.
Quantum predicts boom in instrumentation (See **PLANT**), Sept. 17.
See boom in 'piggyback' communications, Nov. 12.
Should phone companies be active 'sales agents' for manufacturers? by Thomas Whitehead, Oct. 22.
Small telcos take a look at the phone store idea, by Lois Stolzman, Oct. 15.
Survey: specialized carrier markets to expand 5 times by 1980, Oct. 8.
What Gen Tel has in mind for 'Phone Mart,' July 9.

MICROWAVE:
Canada firms form consortium (See **CANADA**), July 30.

COM system serves up instant answers to customer requests, by John J. Aiello (See **TELEPHONE SERVICE, DATA**), Dec. 10.
First digital subscriber-microwave brings service to vacation island, by Heyward F. Segrest Jr., Oct. 22.
Great Britain site of meeting (See **FOREIGN**), July 16.
Illinois Bell agreement with MCI approved (See **C-C, Illinois**), Oct. 15.
ITT plans for U.S. network, July 23.
MCI launches net with South Bend, Ind., branch, Sept. 3.
MCI plans expansion of New York-Chicago route, Oct. 15.
Power tower is Mountain Bell's answer to threat of electrical failure, July 9.
Rohn Mfg. sends first equipment for Datran network (pic), Aug. 20.
Video Microwave:
Agrees to sell to SP Communications (See **SALES AND PURCHASES**), Dec. 3.

OFFICE OF TELECOMMUNICATIONS POLICY:
Land mobile policy aims for 'maxi' competition, Sept. 3.
Motorola backs OTP on mobile services, Sept. 10.
Reports on where phones are, Sept. 17.
Future directions of the government's communications policy, by Henry Goldberg, Oct. 22.
AT&T, NARUC slam plan for federal regulation of mobile spectrum (See **FCC**), Nov. 5.
OTP urges changes in Comsat legislation (See **Block, "In the Nation's Capital**), Dec. 10.

PIONEERS-INDEPENDENT:
Woods chapter elects Blackford president, July 2.
ITPA plans tours after USITA convention, Aug. 13.
Pioneers head south for USITA, by Ray Blain, (See **USITA**), Sept. 17.
Anita Bryant to entertain Pioneers, Sept. 17.
Phila. chapter gives audio ball to Salvation Army for blind (pic), Oct. 1.
Past ITPA presidents LaMaster and Blain directors emeritus Florida chapter (pic), Oct. 29.
Among the Pioneers (See **USITA**), Nov. 12.
Elgin links award with ITPA for '74, Nov. 12.
Pioneers emphasize community involvement, steady growth at anniversary meeting, by Ray Blain, Nov. 19.
Busy ITPAers take time out for fun, Nov. 19.

PLANT:
Baker (Bell) asks professionals (engineers) to guide U.S. technology, Sept. 3.
BICS isn't just a big city job (See **CANADA-Bell**), Aug. 27.
'Care and feeding' of an electronic CO, The, by Milton A. Clement, Nov. 12.
Caution is best bite prevention, trainer advises Illinois Bell installers (See **SAFETY**), Nov. 26.
Changing 'look' of modern switching, The, Nov. 12.
Communication protectors—requirements and performance evaluation by David W. Bodle (Joslyn):
Part 1, Sept. 10; Part 2, Electrical interference in communication, Sept. 17; Part 3, Performance of protectors in communications systems, Sept. 24; Part 4, Telephone plant protection: How effective is it? Oct. 1.
Construction begins on 3rd Atlantic cable (See **FOREIGN**), July 30.
Denver utilities set one-number plan for digging info (Mtn. Bell), Dec. 31.
Design your construction budget for better revenue return, by Lowell L. Barton, Aug. 6.
Developments in key systems, by H. R. McGee, Oct. 22.
Diagnostic and maintenance software for electronic central offices, by Paul J. Keehn, Nov. 12.
Drop wire progress smooths out the kinks, by Ray Blain, Oct. 1.
Economics and design of fine gauge plant for facility planning, by Thomas J. McDonough (See **ECONOMICS**), Nov. 5.
Electronic Switching, by J. Gordon Pearce: Part six, Design considerations in telephone switching processors (See **DATA**), July 16; Part 7, Look at software needs for controlling telephone switching, A, Aug. 13; Part 8, Variations on stored-program control, Sept. 24.
Pierce series (Electronic Switching) in reprint, Aug. 6.
ESS clears out a roomful of gear (Mtn. Bell-Utah), Aug. 27.
Fine gauge design with coarse gauge simplicity, by Philip L. Dillon, Nov. 5.
Fine gauge subscriber loop design: an economic appraisal, by Donald C. Smathers, (See **ECONOMICS**), Nov. 5.
Gen Tel of Florida tops $1 billion plant investment, Dec. 17.
Getting the most from subscriber loops, by Anthony H. Flores, Nov. 12.
Glass fibers for transmitting light prepared in Bell-WE experiment (pic), Sept. 17.
Happy trailering to you! by Lewis Miller, Aug. 6.
Helpful Literature:
July 2; July 9; July 16; July 23; July 30; Aug. 6; Aug. 20; Aug. 27; Sept. 3; Oct. 1; Oct. 8; Oct. 22; Nov. 5; Nov. 26; Dec. 3; Dec. 10; Dec. 24; Dec. 31.
Hidden changes in telco gear, The, Oct. 22.
Hit those trouble spots before they hit you, by J. W. Flanigan, Nov. 12.
Hopped-up specialty production gives station apparatus a new look, by Donald K. Melvin, Oct. 22.
How 700 miles of the L-4 System went underground out West (Bell), by Leo Anderson, Aug. 6.
How to carve a chunk out of engineering paperwork by W. H. McElroy (See **MANAGEMENT**), Sept. 17.
How to defend buried cable against determined diggers, by Helen Hardin, Sept. 24.
How to test gas tube protectors for carrier application, by A. H. Erlund, Oct. 1.
ICC '73—most rewarding technical conference yet for telephone professionals by Albin R. Meier (See **ASSOCIATIONS-OTHER**), July 9.
Illinois Bell first telco with million Touch-Tone phones in service (pic), Sept. 3.
Introducing a super van for the productive cable splicer, by Ray Blain, Aug. 6.
Invention of transistor marked by stamp (pic), July 30.
ITT sets up lab for study of 'light pipes,' Oct. 22.
Probes 'light pipe' technology (see pic), Nov. 26.
Keeping aerial plant up to par, by Lois Stolzman, Dec. 31.
Key systems and the human touch, by F. G. Schick, Oct. 22.
Key system concepts: what lies ahead, by K. E. Preece and J. L. Litster, Oct. 22.
Maintenance aspects of an unattended electronic central office, by Eric G. Platt, Nov. 12.
New Products:
July 2; July 9; July 16; July 23; July 30; Aug. 6; Aug. 13; Aug. 20; Aug. 27; Sept. 3; Sept. 10; Sept. 24; Oct. 1; Oct. 8; Oct. 15; Oct. 29; Nov. 5; Nov. 12; Nov. 19; Nov. 26; Dec. 3; Dec. 10; Dec. 17; Dec. 24; Dec. 31.
New selective calling radio system makes life easier for telephone maintenance crews (Bell), Aug. 20.
New York's island towns give BICS its big chance, by H. F. Fulford, Aug. 27.
Octothorp number sign on new Touch-Tone phones (pic), July 30.
Perspective on local call measurement: past and present, by Jack McDonald (See **MANAGEMENT**), Dec. 3.
Old insulators score PR points for PT&T, by Burt Barrett (See **PUBLIC RELATIONS**), July 30.
Pinpointing local loop problems (See **EDUCATION & TRAINING-SITE**), July 9.
Plant maintenance guidelines, by Edwin C. Keich, Nov. 12.
Plant Man's Notebook (each issue July through December), by Ray Blain.
Protecting cable inside buried plant housings, by Lou Ance, July 9.
Quantum predicts boom in instrumentation (See **MARKETING**), Sept. 17.
Requirements for software, technical support and maintenance of electronic central offices, by Robert E. Pickett, Nov. 12.
Retriever (Bell) sniffs out line record information, Sept. 24.
Rochester Tel sells BICS with a Hollywood touch, by Frank Bourassa, Aug. 27.
Seagoing plant men guide Army engineers, Nov. 19.
Switching Systems, by Ramses R. Mina (See **TRAFFIC**):
Part 11a, Determining trunk quantities in networks with alternate routing, Dec. 3; Part 11b, Metropolitan alternate routing configurations, Dec. 10.
Technician (Siemens Corp.) measures pollution effects on phone equipment (pic), Dec. 31.
Telco job is a real cliff-hanger (trenching in Colorado), Sept. 10.
Temporary CO setup eases cutover, saves money, by R. H. McClain, Aug. 6.
Ten most often asked questions about telephone battery systems by Tony Abbott:
Part 1, Nov. 26; Part 2, What about battery life and maintenance? Dec. 3; Part 3, Battery rates and ratings, Dec. 10.
That telephone isn't getting older; it's getting better, by Ray Blain, July 30.
Underwater installation copes with man and nature (N.Y. Tel), Aug. 6.
Update on splice cases, by Albin R. Meier, Aug. 6.
Using fine gauge cable to provide conduit relief, by Richard L. McBride, Nov. 5.
Vermeer demonstrates trenching at 25th celebration, Sept. 17.
What's new in business communications—a look at today's key system design and service trends, by Robert A. Kutzenberger, Oct. 22.
What's up in aerial plant? by Jan Drummond, Dec. 31.

PUBLIC RELATIONS:
Christmas joy a la telco folk by Lynne Carlton, (See **TELEPHONE INDUSTRY**), Dec. 24.
IBT prexy takes tel industry story to the public (See **TELEPHONE INDUSTRY**), Nov. 5.
Old insulators score PR points for PT&T, by Burt Barrett (See **PLANT**), July 30.
Phone critic to telco board member, by Jack Hengert, Sept. 17.
S-C artist wins award for catalog (pic), July 23.
South Carolina telcos learn how to deal with the media, Oct. 15.
3-yr.-old Illinoisan phones Santa (Gen Tel) (pic), Dec. 24.
What business must do to regain public favor, by Hale Nelson, Sept. 17.
N.Y. plant serviceman creates bus shelter from cable reel (pic), Nov. 26.

RADIOTELEPHONE-MOBILE:
Marine:
Easing the squeeze on ship-to-shore communication, by Jeff Thompson, Oct. 8.
Adolescence of mobile telephony, The—reminiscences of a participant, by Chandos A. Rypinski, Sept. 3.
New mobile telephone techniques on way, by Albin R. Meier, Sept. 3.
Motorola to install turnkey system for Pennsylvania police, Dec. 24.
Telcos, manufacturers, radio common carriers hassle over new mobile frequency allocations, by Albin R. Meier, Sept. 3.

RATES:
Analysis of AT&T's Hi-Lo rates offered by management center (See **BELL SYSTEM**), Dec. 10.

REGULATION:
NARUC favors state support of research group, Aug. 6.
Competition, other issues discussed at NARUC convention, Sept. 17.
Wiggins to keynote Mo. PSC's RISC (See **EDUCATION & TRAINING**), Sept. 24.
Pro-, anti-competition battle lines drawn at NARUC meeting, Albin R. Meier, Oct. 8.
Policy changes (regulation)—try 'em before you buy 'em, Paul Henson, Oct. 8.
Regulator looks at competition, A, by Ben T. Wiggins, Nov. 12.
Should state commissions regulate service? by Alan B. Kamman, Dec. 17.

RURAL ELECTRIFICATION ADMINISTRATION:
Items and articles:
Rural Tel Bank to issue dividends, refund, Aug. 13.
Northeast area REA borrowers' meeting gets loan data, Sept. 17.
REA racks up its 'most successful year' (See **Block, "In the Nation's Capital,"**), Sept. 17.
RTB makes first loan to non-borrower, Boone County Tel (Ark.), Oct. 8.
The streamlining of the REA, by David A. Hamil, Nov. 12.
Loans:
Tri-County Tel Co., Everton, Ark.; Pineland Tel Coop., Metter, Ga.; Duo County Tel Coop. Corp., Jamestown, Ky.; West Carolina Rural Tel Coop., Abbeville, S.C.; Sully Buttes Tel Coop., Highmore, S.D.; South Plains Tel Coop., Lubbock, Tex.; Wellman (Ia.) Coop. Tel Assn.; Elizabeth Tel Co., Sulphur, La.; Grand River Mutual Tel Corp., Princeton, Mo.; West River Coop. Tel Co., Bison, S.D.; Polar Rural Tel Mutual Aid Corp., Park River, N.D., Aug. 6.
Wilkinson County Tel Co., Irwinton, Ga.; Twin Valley Telephone, Miltonvale, Kan.; Pierce (Neb.) Tel Co.; United Tel Co., Chapel Hill, Tenn., Aug. 20.
Northeast Florida Tel Co., Macclenny; West Kentucky Rural Tel Coop. Corp., Mayfield; Sandhill Tel Coop., Jefferson, S.C., Aug. 27.
Farmers Union Tel Co., Sussex, N.J.; Green Hills Tel Corp., Breckenridge, Mo.; West Side Tel Co., Morgantown, W. Va.; Northeast Louisiana Tel Co., Collinston; Arrowhead Communications Corp., Hector, Minn.; Mid-Missouri Tel Co., Pilot Grove; Roosevelt County Rural Tel Coop., Portales, N.M.; Hinton (Okla.) Tel Co.; DeKalb Tel Coop., Alexandria, Tenn., Sept. 10.
Lackawaxen Tel Co., Rowland, Pa.; Montezuma (Ia.) Mutual Tel Co.; Foothills Rural Tel Coop. Corp., Staffordsville, Ky.; Range Tel Coop., Forsyth, Mont.; Midstate Tel Co., Kimball, S.D.; Oregon (Mo.) Farmers Mutual Tel Co.; Lincoln County Tel System, Pioche, Nev.; Northeast Tel Co., Madison, Wis.; Eastern Slope Rural Tel Assn., Hugo, Col.; Cassadaga (N.Y.) Tel Corp.; Port Byron

(N.Y.) Tel Co.; Service Tel Co., Fair Bluff, N.C.; Uintah Basin Tel Assn., Roosevelt, Utah; Coastal Utilities, Hinesville, Ga.; Equality (Ill.) Tel Co.; Chatham (La.) Tel Co.; Tri-County Tel Co., New Richmond, Ind.; Brookville Tel Co., Export, Pa., Oct. 22.
Banfield Tel Co., Delton, Mich.; Kingdom Tel Co., Auxvasse, Mo.; Curtis (Neb.) Tel Co.; Inter-Community Tel Co., Nome, N.D.; Dakota Co-op Tel Co., Irene, S.D.; Hill Country Tel Coop., Ingram, Tex.; Tel Utilities of West Virginia, Webster Springs; GraCeba Tel Co., Ashford, Ala.; Smithville Tel Co., Ellettsville, Ind.; Jetmore Tel Co., Dodge City, Kan.; Peninsula Tel Co., Traverse City, Mich.; United Tel Mutual Aid Corp., Langdon, N.D.; Central Oklahoma Tel Co., Davenport; Monroe (Ore.) Tel Co.; Pond Branch Tel Co., Gilbert, S.C.; Brazoria (Tex.) Tel Co.; Citizens Tel Coop., New Auburn, Wis.; Pleasonton (Kan.) Tel Co.; Eagle Valley Tel Co., Hector, Minn.; Heins Tel Co., Stanford, N. C.; Sugar Land (Tex.) Tel Co., Nov. 26.
Plant Tel & Power Co., Tifton, Ga.; Pottawatomie Tel Co., Earlsboro, Okla.; Castleberry (Ala.) Tel Co.; Quincy (Fla.) Tel Co., Dec. 17.
Echo Tel Co., Shepherdsville, Ky.; Sherburne County Rural Tel Co., Big Lake, Minn.; Pattersonville Tel Co., Rotterdam Junction, N.Y., Dec. 24.

SAFETY:
Caution is best bite prevention measure, trainer advises Illinois Bell installers (See **PLANT**), Nov. 26.
Elevators—hazards of the high-rise, by Ray Blain, July 23.
OSHA meeting slated (See **ASSOCIATIONS-OTHER**), Dec. 24.
Safety Council sets utility program, July 30.
Meetings, seminar set, Nov. 26.
'Tis the season to be safe (tree lights invented by NET&T man), Dec. 24.

SALES, PURCHASES AND CONSOLIDATIONS:
Adams Brothers Co. (Tenn.):
Acquired by Certain-teed Products Corp., Sept. 10.
Adams Equipment Division (Warner & Swasey):
Acquired by General Machine, Sept. 10.
Alston (Conrac Corp.):
Sold to GTE, Nov. 19.
C & D Batteries:
Acquires Huguenot plant (N.Y.), Aug. 6.
Cirtel North (Cal.):
Acquired by Lynch Comm. systems, Sept. 10.
Continental Wire & Cable (Nytronics):
Letter of intent to sell to Anaconda Wire & Cable, Sept. 17.
Electro-Metrics (Fairchild):
Sold to Penril, Sept. 3.
Gulf Tel & Electronics:
Acquired by Dynalectron Corp., Nov. 5.
Line Dismantling Corp.:
To be acquired by Burnup & Sims, Aug. 13.
McAllister Engineering:
Sold to Del-Tronics Associates, Sept. 10.
N-Triple-C (Neb.):
Plans to merge with MCI Telecommunications, Nov. 12.
QuinData:
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